



Fig.1

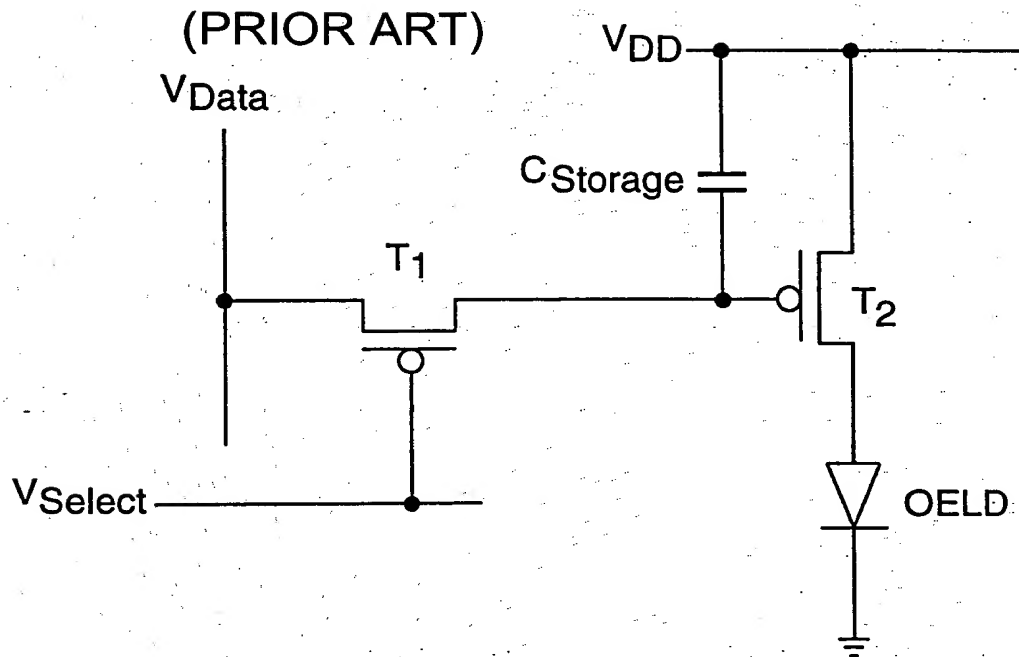


Fig.2

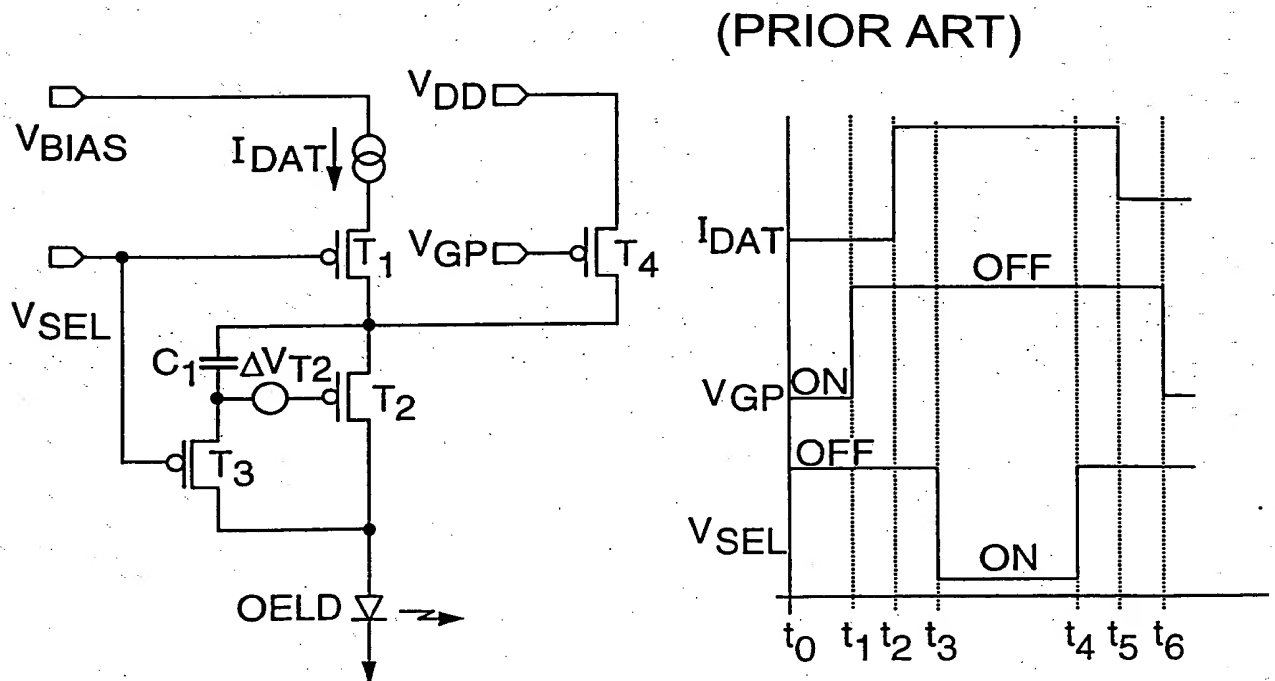


Fig.3

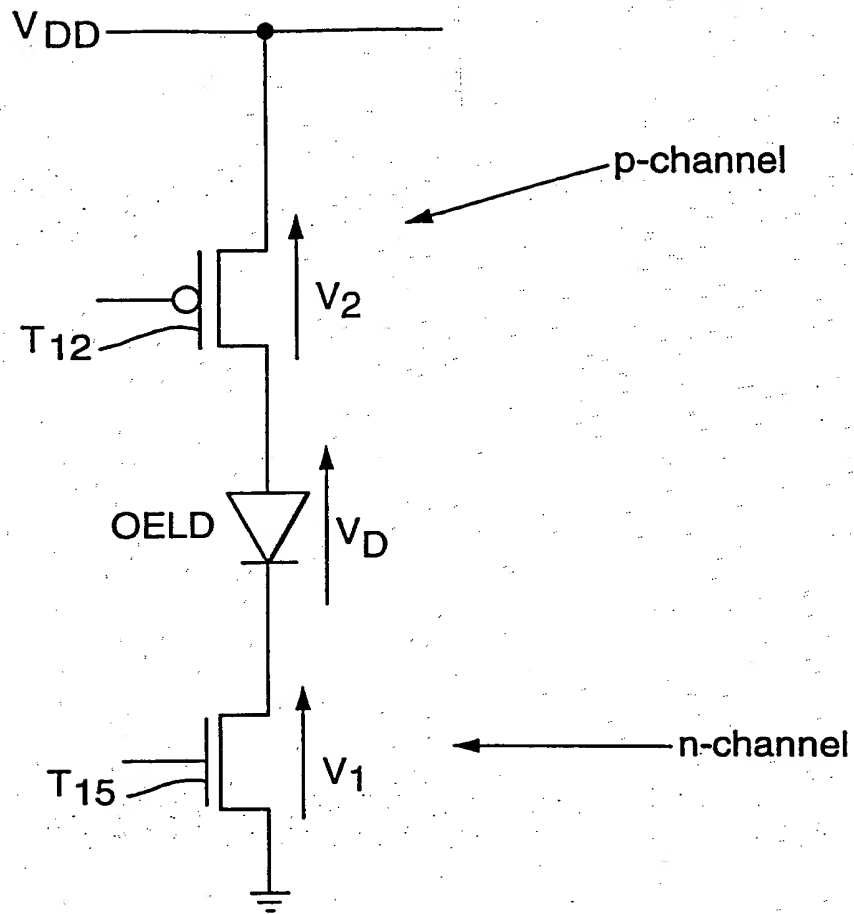
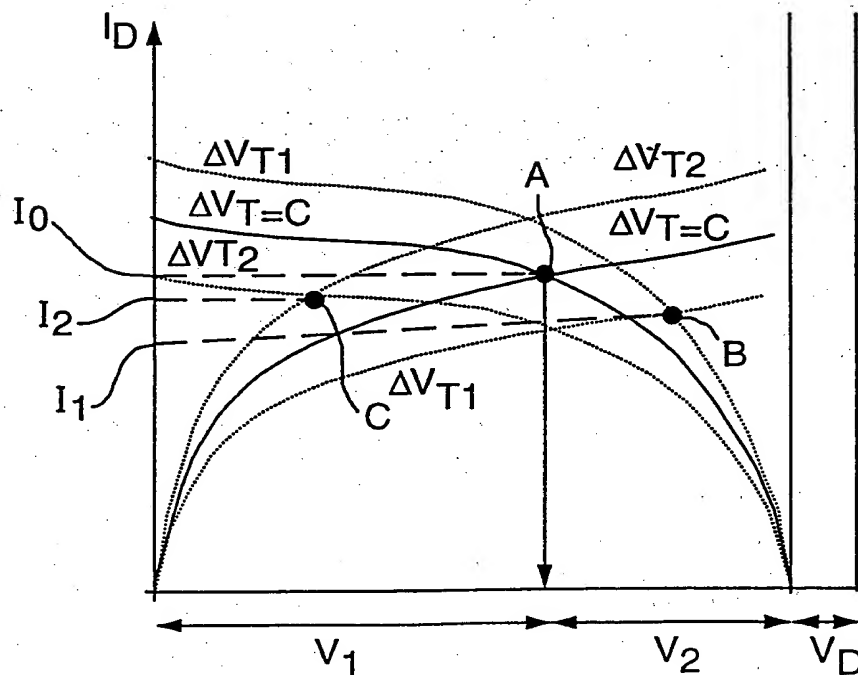


Fig.4



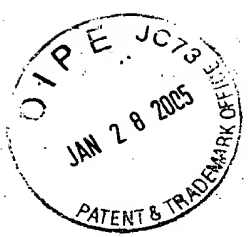


Fig.5

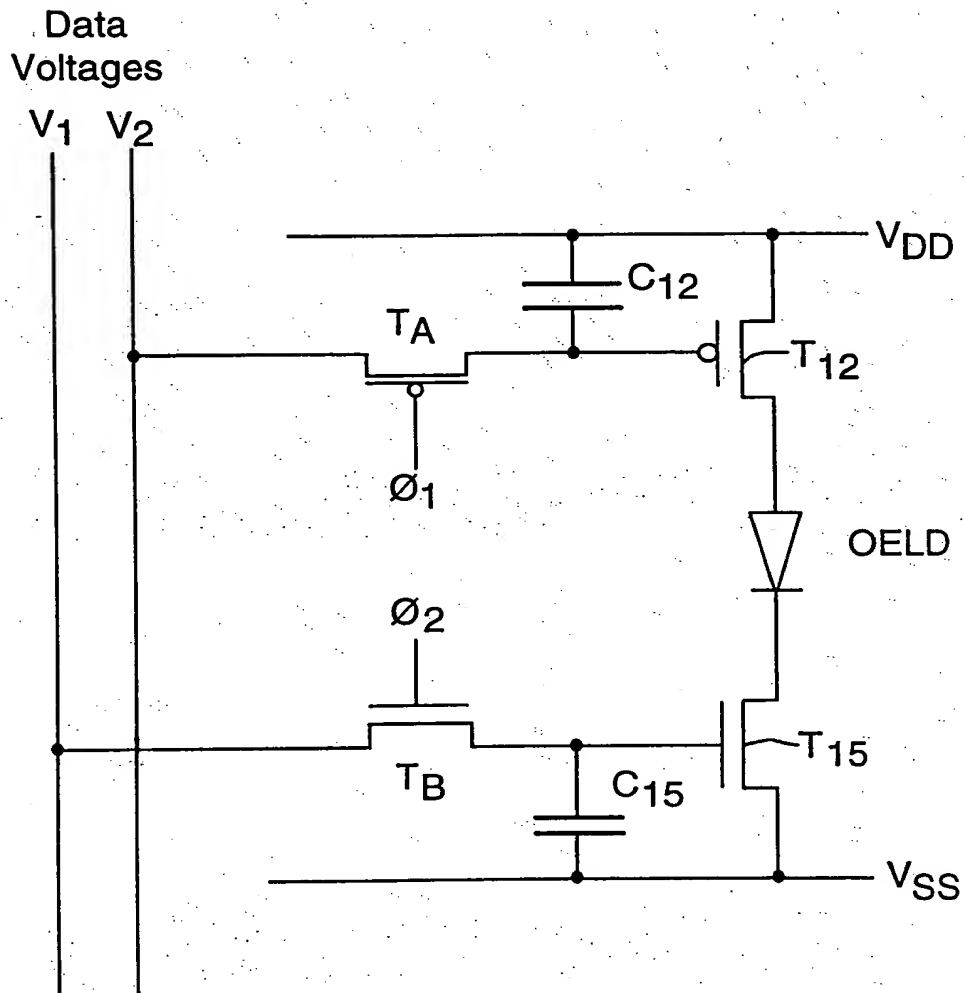
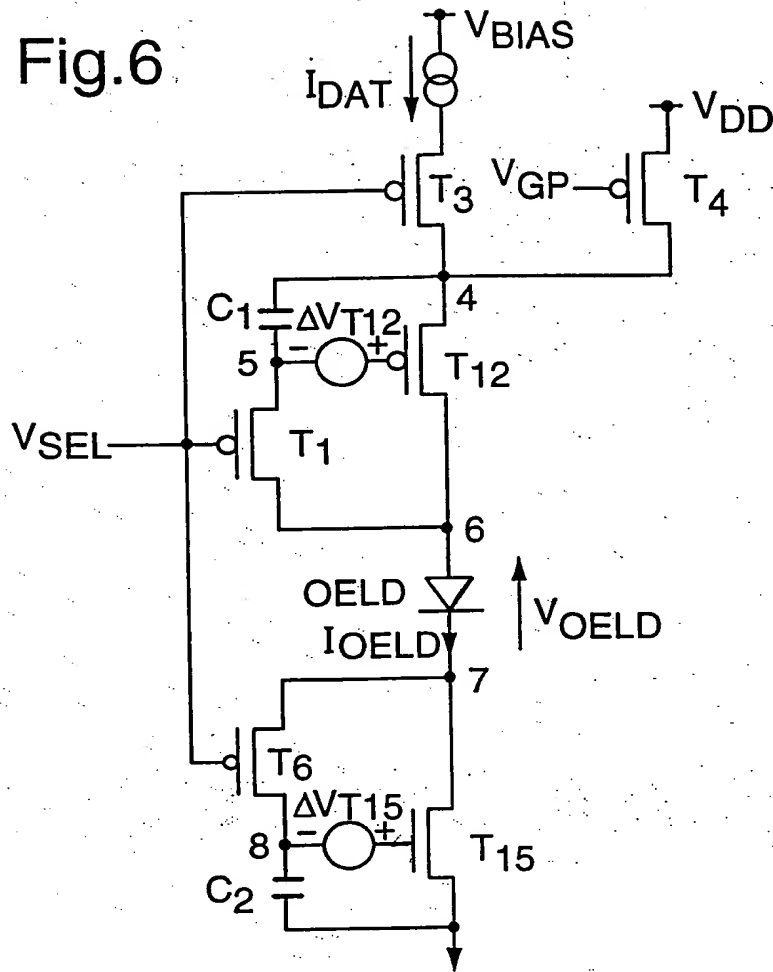


Fig.6



DRIVING WAVEFORM

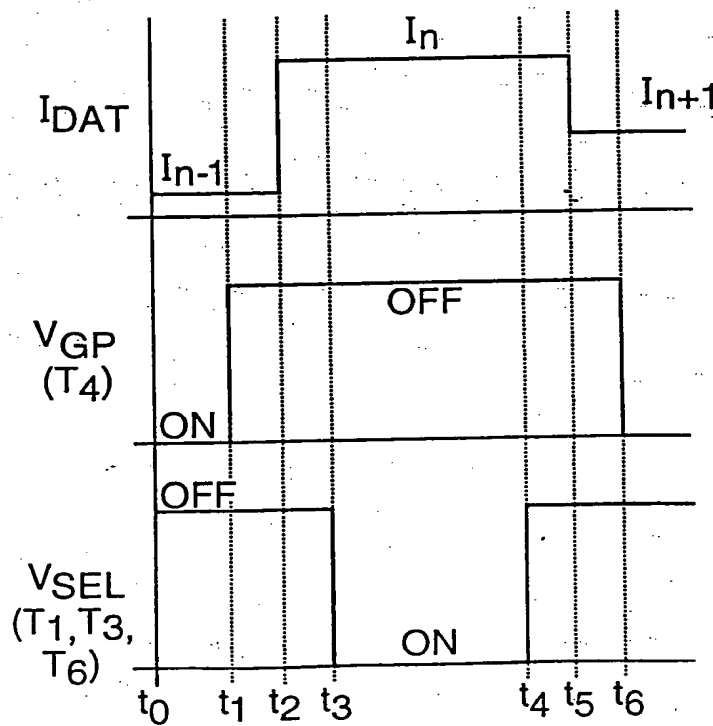
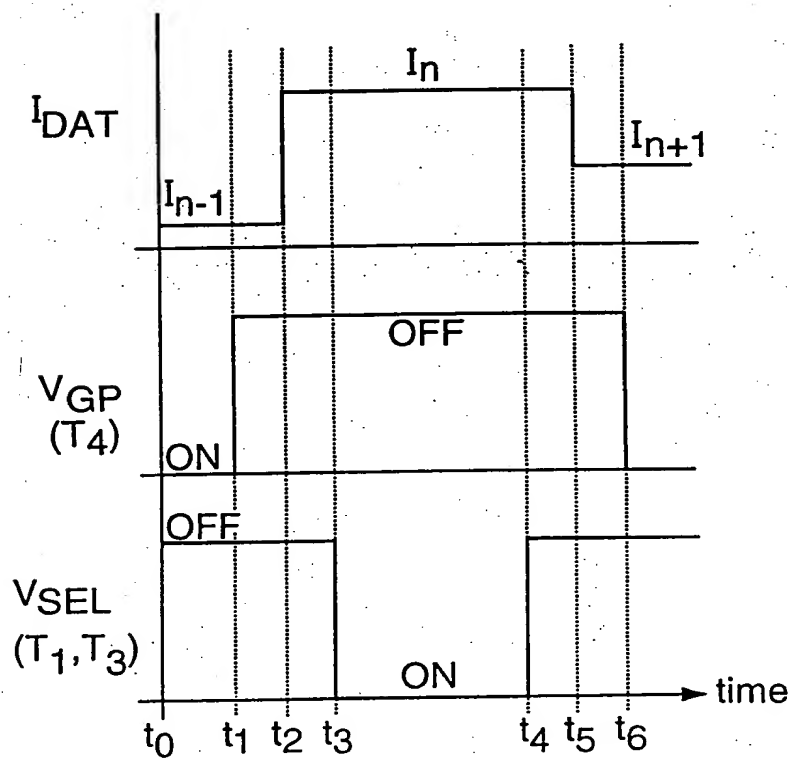
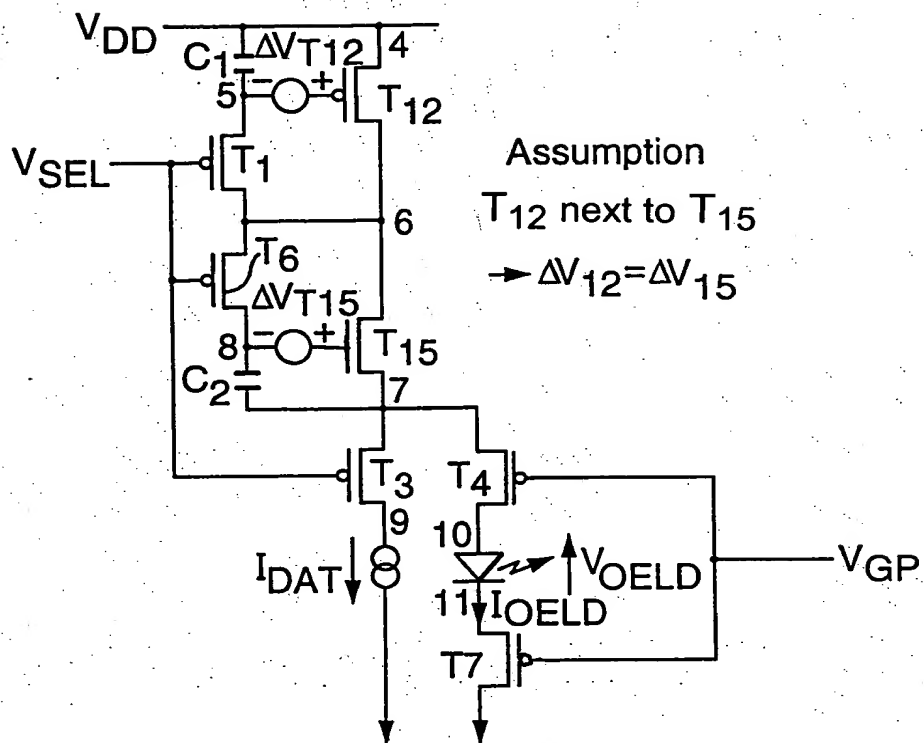


Fig.7



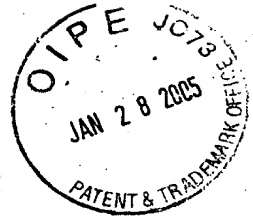


Fig.8. SPICE Simulation Result ( $V_{DD} = 12.5V$ ,  $I_{DAT} = 1\mu A$ )

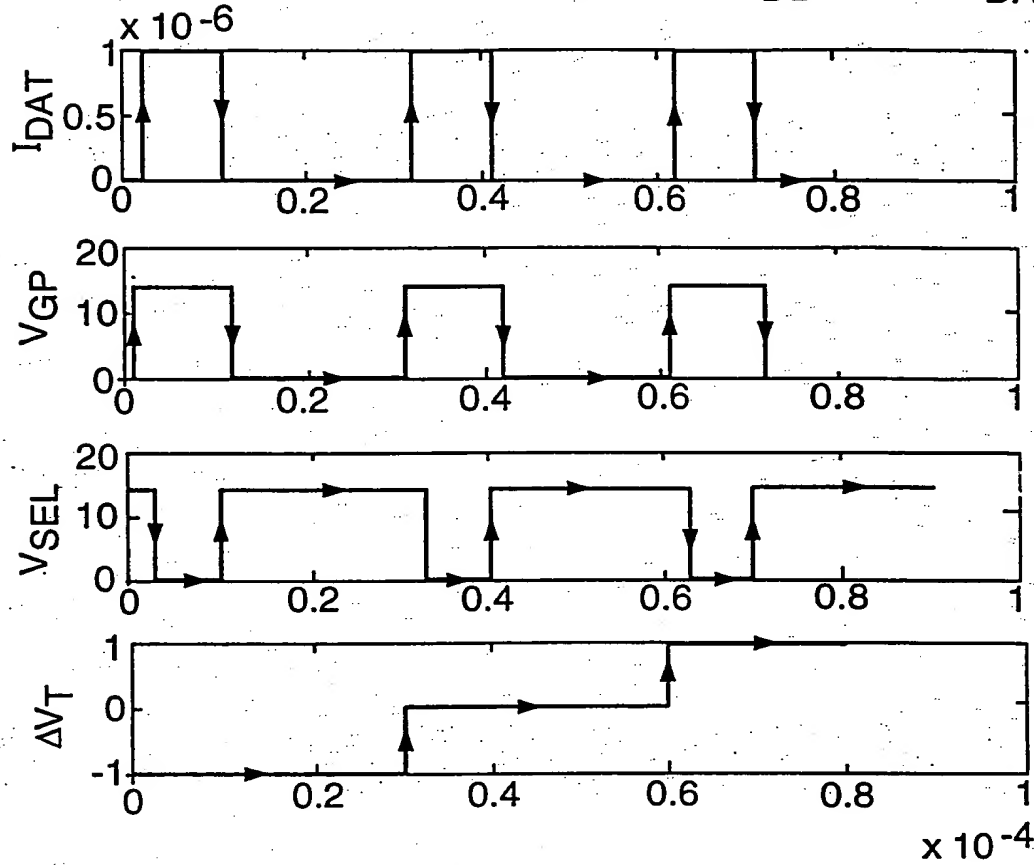


Fig.9

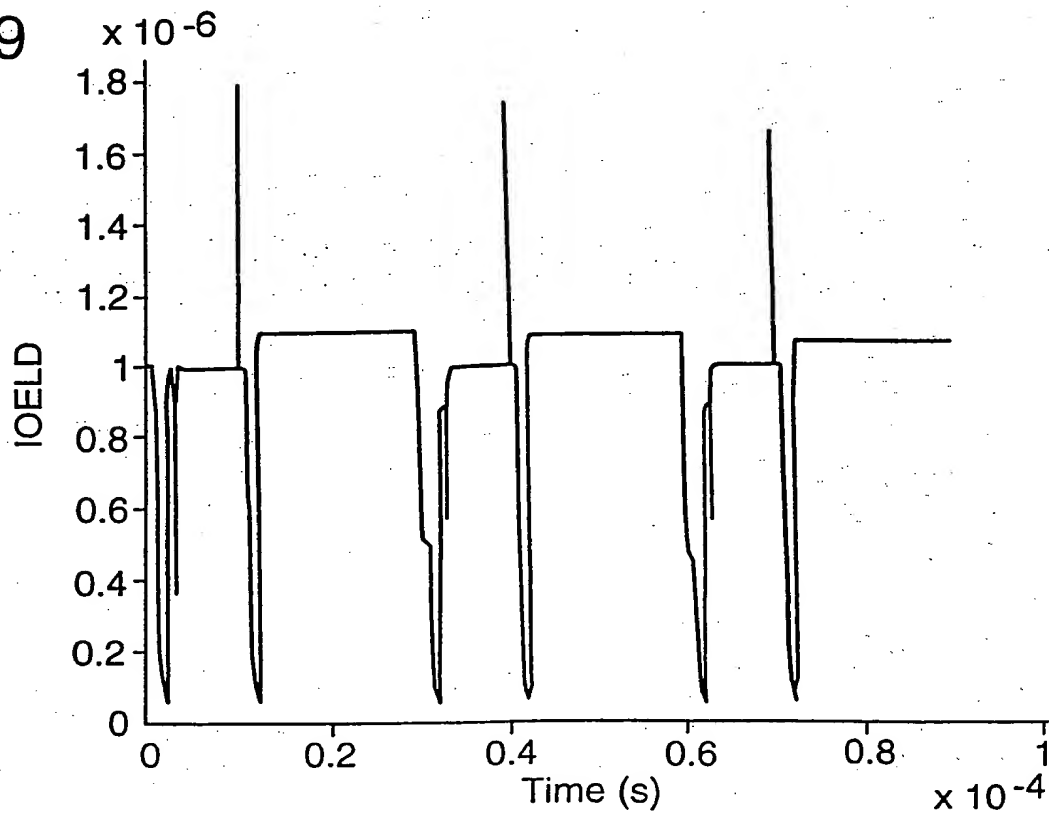


Fig.10

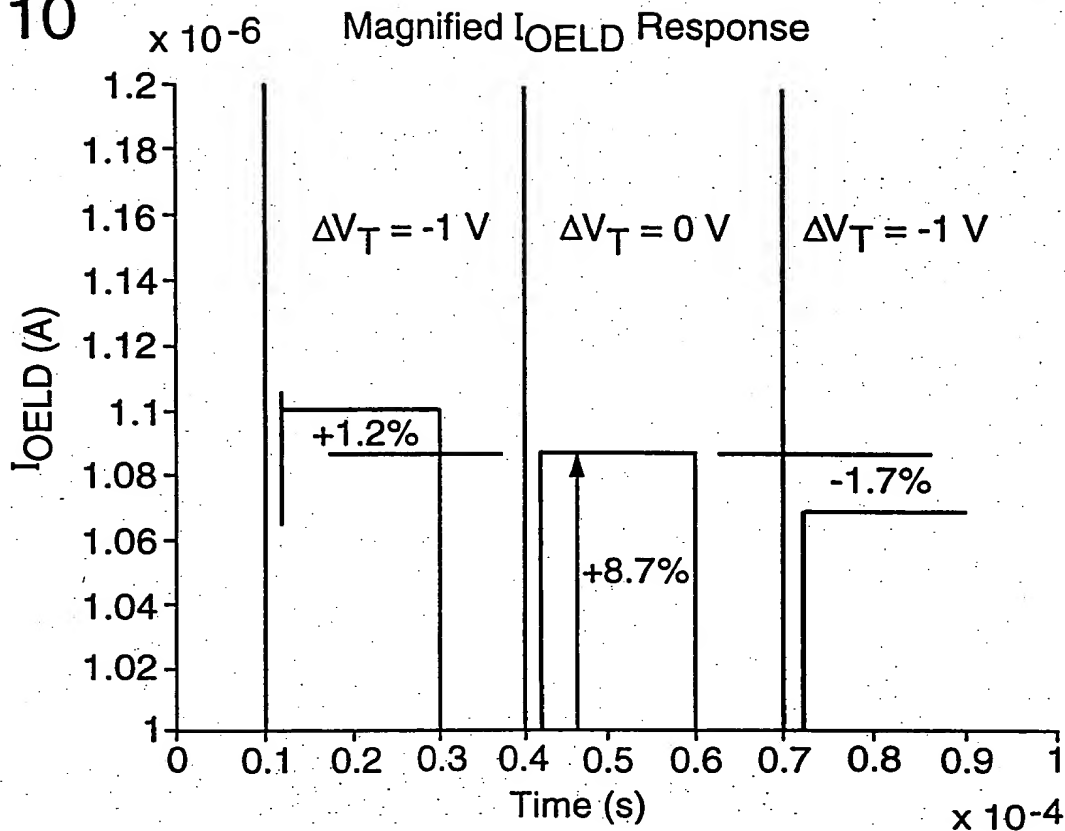


Fig.11

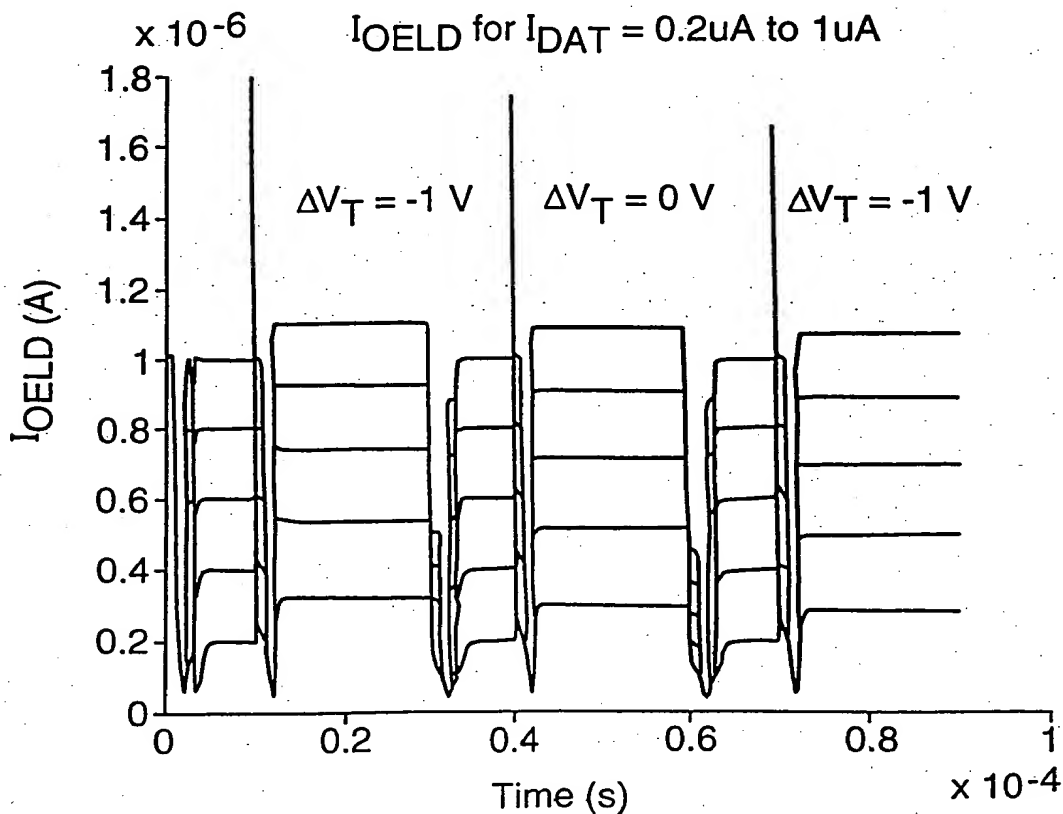


Fig. 12

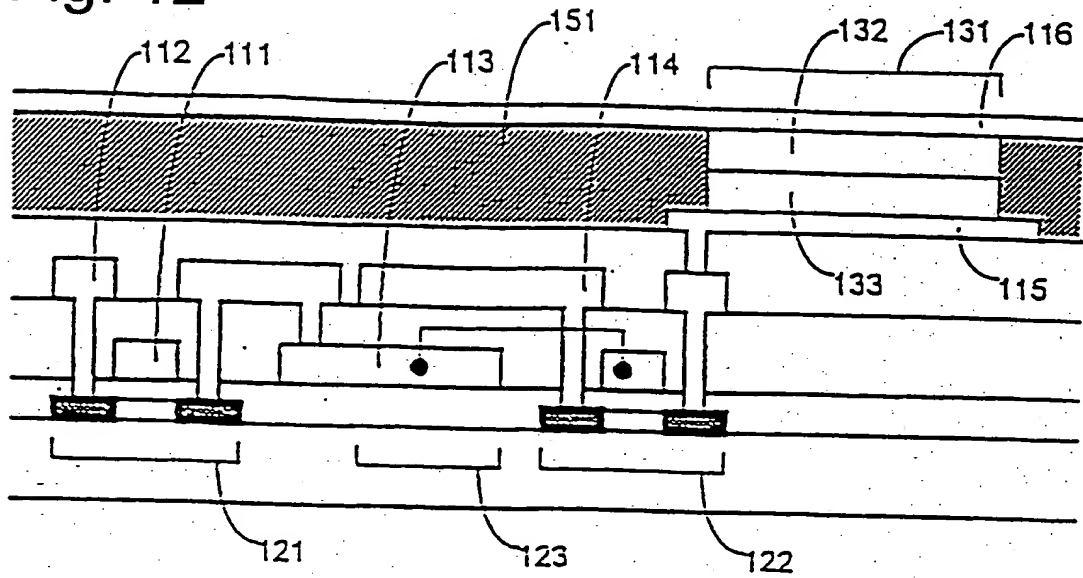


Fig. 13

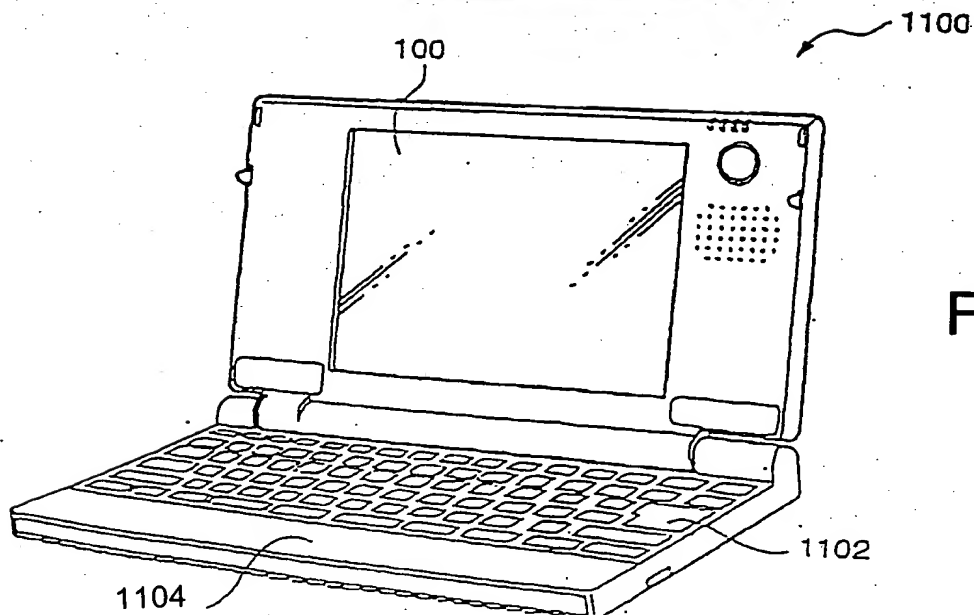
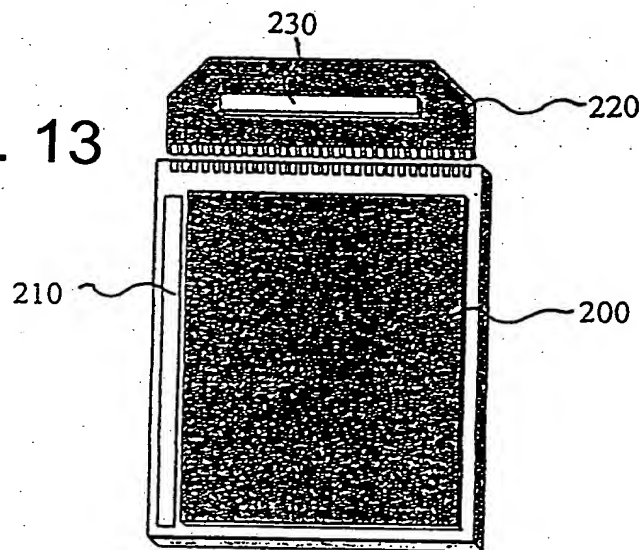


Fig. 14



Fig. 15

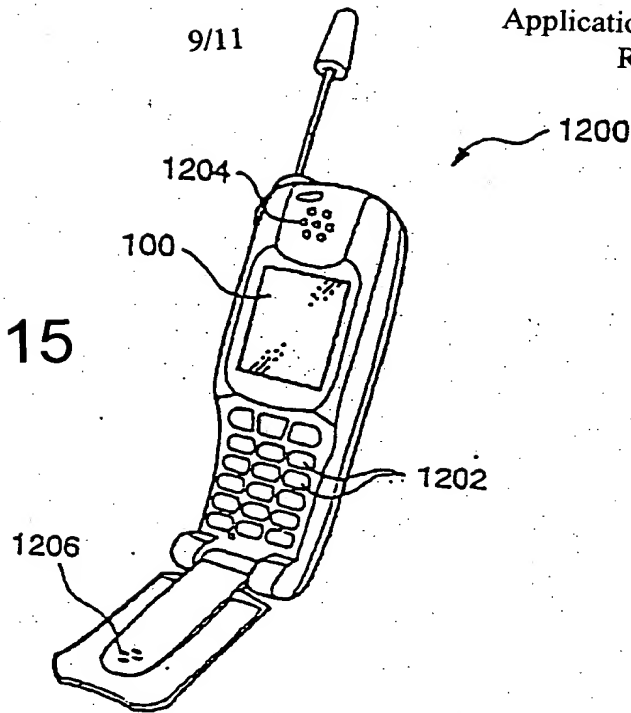
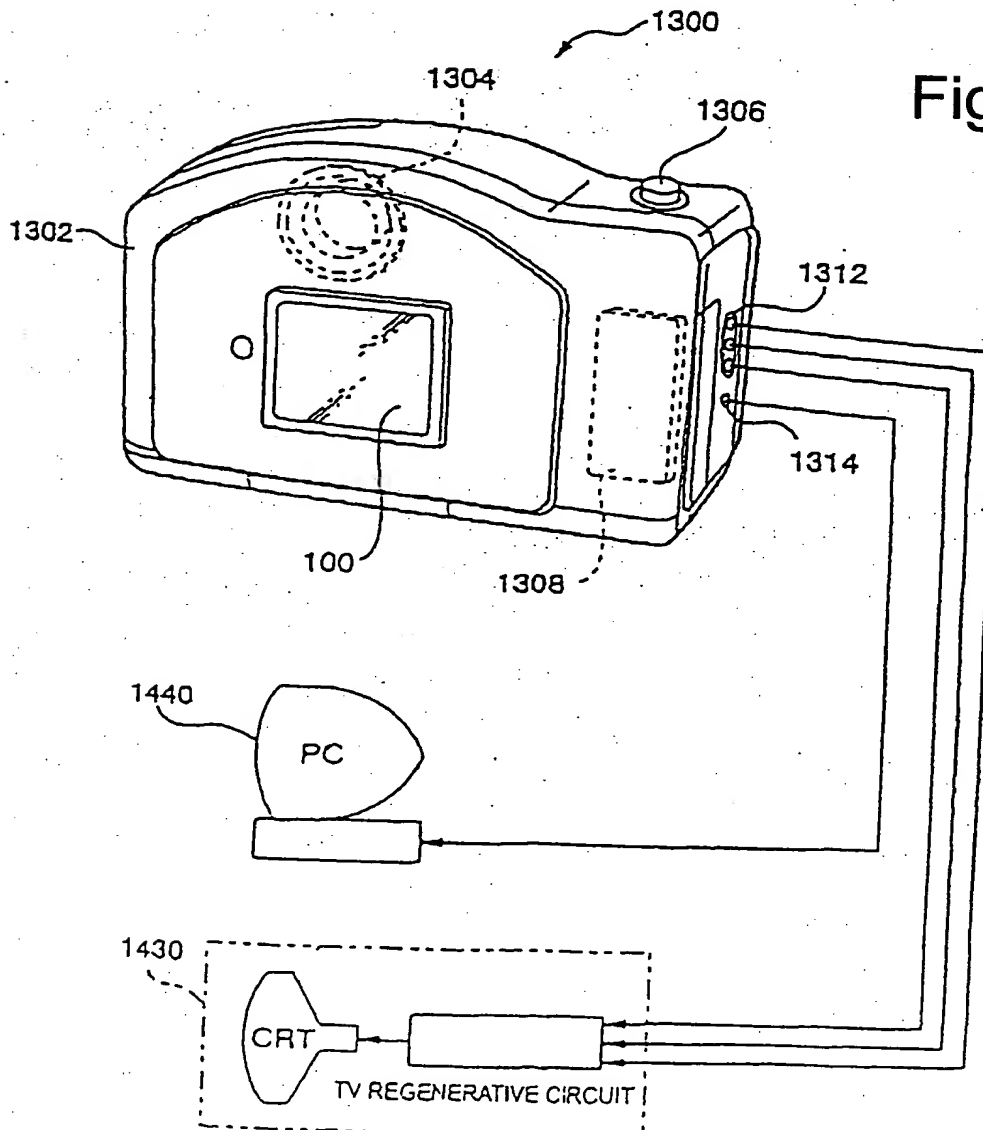
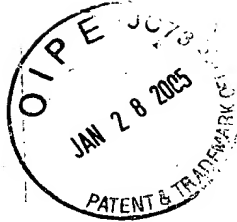


Fig. 16





Data  
Voltages  
 $V_1$   $V_2$

Fig. 17

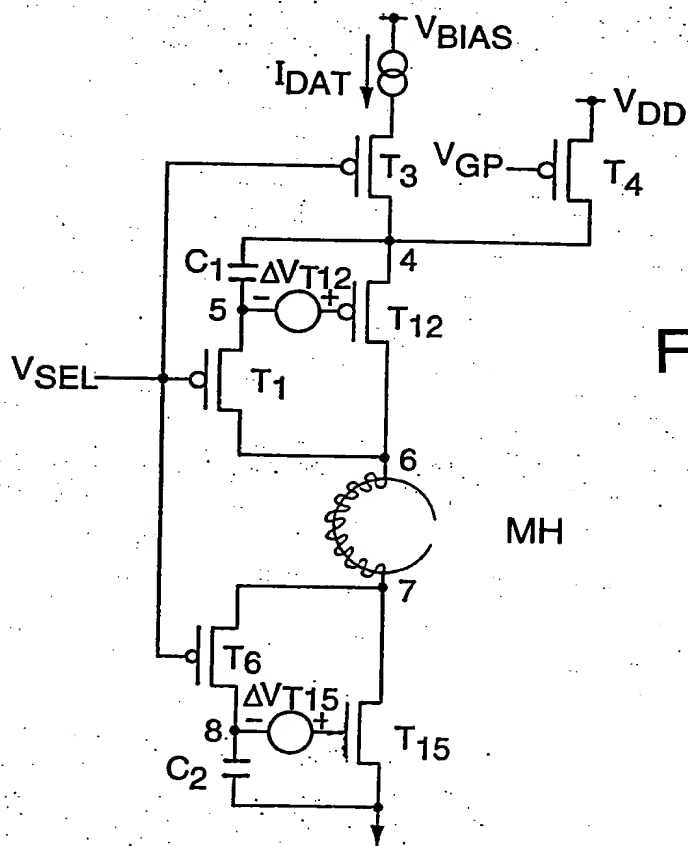
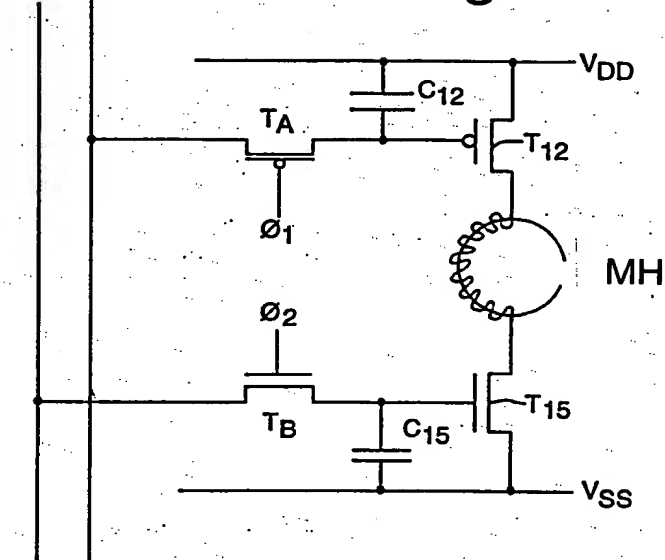
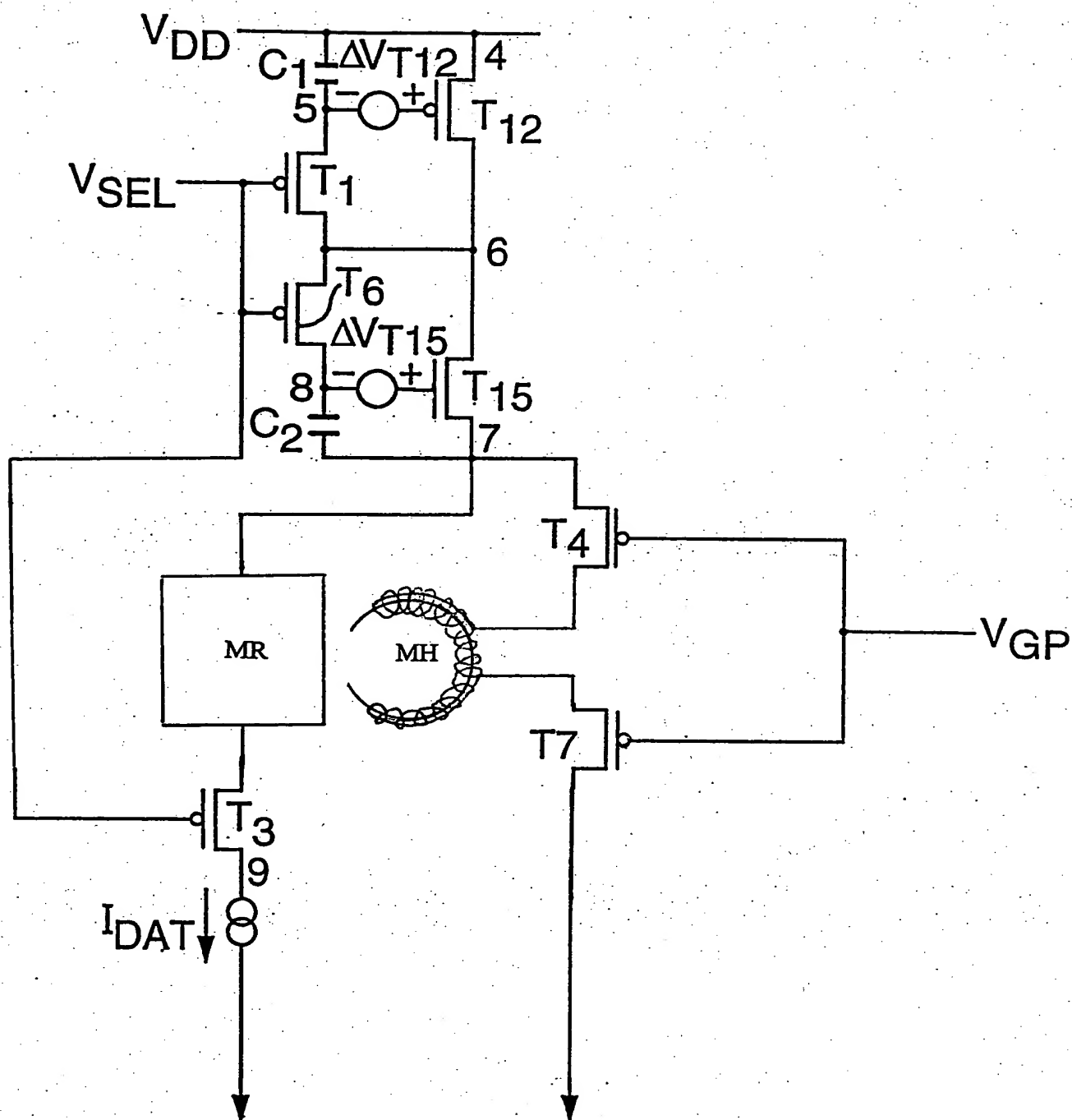


Fig. 18



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